

EXHIBIT 4

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EXHIBIT 4

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20 UNITED STATES DISTRICT COURT
21 NORTHERN DISTRICT OF CALIFORNIA
22 SAN FRANCISCO DIVISION

23 WAYMO LLC,

24 Plaintiff,

25 v.

26 UBER TECHNOLOGIES, INC., OTTOMOTTO
27 LLC; OTTO TRUCKING LLC,

28 Defendants.

Case No. 3:17-cv-00939-WHA

**DEFENDANTS' MOTION FOR
SUMMARY JUDGMENT**

Date: September 20, 2017
Time: 8:00 a.m.
Ct rm: 8, 19th Floor
Judge: The Honorable William Alsup
Trial Date: October 10, 2017

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NOTICE OF MOTION AND MOTION

PLEASE TAKE NOTICE that on September 20, 2017 at 8:00 a.m., or as soon thereafter as the matter may be heard, in the United States District Court for the Northern District of California, San Francisco Courthouse, located at 450 Golden Gate Avenue, San Francisco, CA, in Courtroom 8 before the Honorable William Alsup, Defendants Uber Technologies, Inc., Ottomotto LLC will, and hereby do, move for summary judgment of non-infringement of United States Patent No. 9,368,936 (“the ’936 patent) and that Waymo’s alleged Trade Secret No. 9 is not a trade secret, and Otto Trucking LLC will, and hereby does, move for summary judgment that Otto Trucking cannot infringe the ’936 patent and has not misappropriated any alleged Waymo trade secret.

Defendants’ motion is based on this Notice of Motion and Motion, the accompanying Memorandum of Points and Authorities, Declaration of James Haslim, Declaration of Brent Schwarz, Declaration of Esther Kim Chang, Declaration of Shane Brun, and all exhibits thereto, all documents in the Court’s file, any matters of which this Court may take judicial notice, and on such other written and oral argument as may be presented to the Court.

Dated: August 31, 2017

MORRISON & FOERSTER LLP

By: /s/ Michael A. Jacobs
MICHAEL A. JACOBS

Attorneys for Defendants UBER TECHNOLOGIES,
INC. and OTTOMOTTO LLC

Dated: August 31, 2017

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By: /s/ Neel Chatterjee
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TABLE OF ABBREVIATIONS

Abbreviation	Description
3/31/17 Droz Dep.	March 31, 2017 deposition of Pierre-Yves Droz
8/3/17 Droz Dep.	August 3, 2017 deposition of Pierre-Yves Droz.
Damages Disclosure	Plaintiff Waymo LLC's Supplemental Initial Disclosure dated June 21, 2017
Gassend Dep.	August 16, 2017 deposition of Blaise Gassend
Haslim	Declaration of James Haslim in Support of Defendants' Motion for Summary Judgement
Infr. Contentions	Exhibit C to Waymo's Disclosure of Asserted Claims and Infringement Contentions
McCann Dep.	July 12, 2017 deposition of William McCann
The '936 patent	U.S. Patent No. 9,368,936
Uber	Uber Technologies, Inc., Ottomotto LLC, and Otto Trucking LLC
Wagner Rpt.	Expert Report of Michael J. Wagner
Wolfe Dep.	Deposition of Andrew Wolfe, Ph.D. dated August 11, 2017
Wolfe Rpt.	Opening Expert Report of Dr. Andrew Wolfe, Ph.D. Concerning Defendants' Infringement and Waymo's Practice of U.S. Patent No. 9,368,936 dated August 24, 2017
Yang	Declaration of Michelle Yang in Support of Defendants' Motion for Summary Judgment

UBER'S MOTION FOR SUMMARY JUDGMENT

INTRODUCTION

Waymo does not claim literal infringement of the '936 patent, and Uber does not infringe any claim of the patent under the doctrine of equivalents because the claimed "diode" and Fuji's resistor are not equivalent circuit elements. The '936 patent specification clearly defines the function, way, and result of the "diode" in the claimed circuit. The specification states that, during the charging mode, the "diode" becomes forward biased to allow current to flow forward, and then reverse biased to restrict current from flowing backward, with the result of supercharging the capacitor. Waymo's DOE analysis is defective as a matter of law because it ignores this stated function, way, and result and instead offers purported "functions" that are nowhere disclosed in the patent. Additionally, because Waymo's damages expert provided no opinion that Waymo suffered damages as a result of Uber's alleged infringement of the '936 patent,

, the Court should, as a matter of law, rule that Waymo is entitled to no remedies.

TS 9 is not a trade secret. Waymo broadly claims as a trade secret the use of . But FAC lenses for pre-collimating laser beams are indisputably well known, and Waymo engineers admitted that

In its preliminary injunction order, the Court warned Waymo that it "overreached in attempting to claim ownership over general principles and approaches in the field," and noted that one of Waymo's "supposed trade secret[s] is nothing more than Optics 101." (Dkt. 426.) TS 9 is yet another attempt to claim trade secret protection for general approaches in any engineer's toolbox, and summary judgment should be granted.

STATEMENT OF THE ISSUES

1. Whether the claimed "diode" in the '936 patent is equivalent to a resistor present in Uber's Fuji firing circuit.
2. Whether the Court should rule that Waymo is entitled to no remedies if Uber is found to infringe any claim of the '936 patent.

3. Whether Waymo's alleged Trade Secret No. 9 is a protectable trade secret.

I. SUMMARY JUDGMENT SHOULD BE GRANTED ON THE '936 PATENT

A. The '936 Patent and Accused Product

All independent claims of the '936 patent require a "diode" as part of a "charging path" of a laser diode firing circuit. Independent claim 1, for example, recites "a diode coupled to the voltage source via the inductor" and "wherein the charging path includes the inductor and the diode."

The '936 patent specification discloses the laser diode firing circuit shown below:

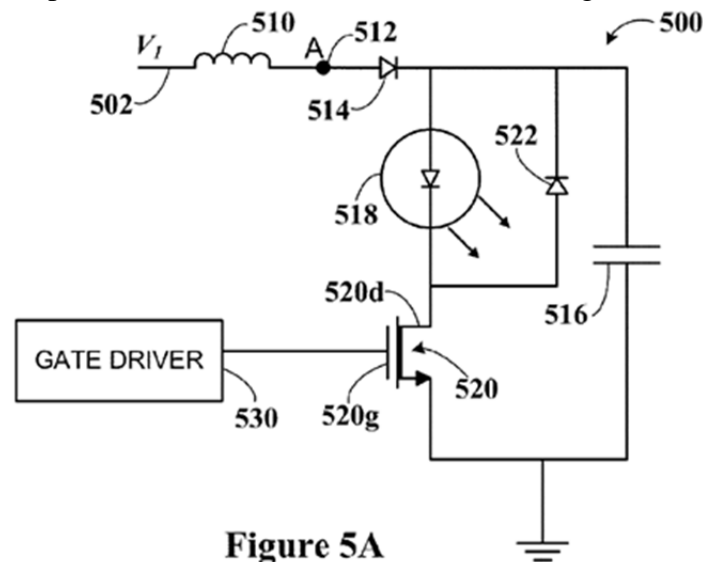


Figure 5A

(Yang Ex. 1, '936 patent.) Circuit 500 includes, among other components, voltage source 502, inductor 510, diode 514, capacitor 516, laser diode 518, and transistor 520. (*Id.* at 17:47-64.) The components of circuit 500 operate together to provide two modes: a charging mode and a discharge (emission) mode. (*Id.*) The two modes are shown in Figures 5C and 5D:

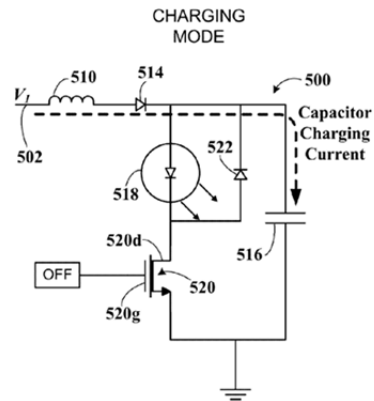


Figure 5C

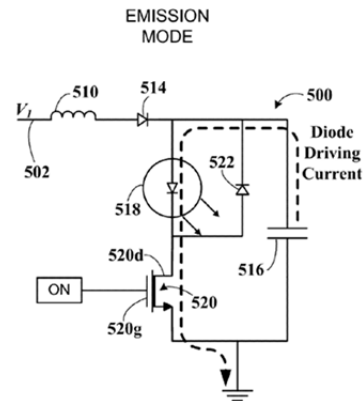


Figure 5D

In the charging mode, transistor 520 is off, causing current to flow from voltage source 502 through inductor 510 and diode 514 to capacitor 516; the current charges capacitor 516, which accumulates charge. (*Id.* at 18:19-22, 28-37.) In the emission mode, transistor 520 is on, causing capacitor 516 to drive current through laser diode 518, thereby “caus[ing] the laser diode 518 to emit a pulse of light.” (*Id.* at 18:11-19.) As shown in Fig. 5C, diode 514 is in the charging mode path (shown by a dotted line); as shown in Fig. 5D, diode 514 is not in the discharge path.

The specification discloses the function, way, and result of the “diode” in the claimed firing circuit. In the charging mode, diode 514 operates in forward and reverse biased states. When diode 514 is forward biased, it “allows current flow and charge[s] the capacitor.” (*Id.* at 18:35-37.) When the voltage on capacitor 516 exceeds the voltage between inductor 510 and diode 514 (*i.e.*, node A 512), then diode 514 becomes reverse biased “to hold charge on the capacitor.” (*Id.* at 18:37-40.) As a result of the reverse biasing of diode 514, the voltage on capacitor 516 remains supercharged at twice the voltage of voltage source V_1 . (*Id.* at 18:60-67; *see also* 20:35-49.) Dr. Wolfe characterizes the specification similarly, stating that a diode allows current to flow in one direction when “forward biased” to initiate charging, but that “diode 514 becomes reverse biased to block the current flow” to the inductor during the discharge cycle. (Dkt. 1116-1 at 14-15.) (*See also* Yang Ex. 5, Wolfe Dep. 60:13-17 (when a diode is reverse biased, the “current is about [as] close to zero as anybody would care about.”).)

Waymo does not allege that Uber's Fuji circuit includes a "diode" that is part of a "charging path."

The parties have proposed constructions of the claimed "diode." Uber proposed that "diode" is "a two-terminal electronic device that allows the flow of current in one direction only." (Dkt. 1233 at 10.) Waymo argues that no construction of "diode" is necessary, and the term should be accorded its plain meaning (Dkt. 1116 at 11-15), while its expert Dr. Wolfe proposed an alternate construction of "diode" as "[a] two-terminal electronic device that will conduct electricity much more easily in one direction than in the other." (Dkt. 1116-1 at 20-21.)

(Yang Ex. 4, Wagner Rpt. ¶ 370.)

B. Uber Does Not Infringe the '936 Patent Under the Doctrine of Equivalents

Although infringement under the doctrine of equivalents is a question of fact, summary judgment is proper “[w]here the evidence is such that no reasonable jury could determine two elements to be equivalent.” *Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 520 U.S. 17, 39 n.8 (1997). A patentee must establish “equivalency on a limitation-by-limitation basis” by “particularized testimony and linking argument” as to the insubstantiality of the differences between the claimed invention and the accused device or process. *Tex. Instruments Inc. v. Cypress Semiconductor Corp.*, 90 F.3d 1558, 1566 (Fed. Cir. 1996). The function-way-result test “often suffice[s] to show the substantiality of the differences.” *Id.* “[A]ll claim limitations are not entitled to an equal scope of equivalents.” *Moore U.S.A., Inc. v. Standard Register Co.*, 229 F.3d 1091, 1106 (Fed. Cir. 2000). Ultimately, “many limitations warrant little, if any, range of equivalents.” *Id.*

The function-way-result test focuses on “an examination of the claim and the explanation of it found in the written description of the patent.” *AquaTex Indus., Inc. v. Techniche Sols.*, 479 F.3d 1320, 1326 (Fed. Cir. 2007) (citation omitted); *see also Stumbo v. Eastman Outdoors, Inc.*, 508 F.3d 1358, 1364 (Fed. Cir. 2007).

1. Dr. Wolfe’s DOE analysis is faulty as a matter of law

Waymo’s DOE theory is based solely on the function-way-result analysis of its expert, Dr. Wolfe. As explained above, the ’936 patent specification expressly describes the function,

1 way, and result of the “diode” in the claimed circuit. A proper function-way-result analysis must
 2 remain true to the patent claims and specification. *AquaTex*, 479 F.3d at 1326. Dr. Wolfe’s
 3 analysis fails because he ignores the specification’s teachings of the function, way, and result of
 4 the “diode” in the claimed circuit, and instead relies on purported “functions” that are nowhere
 5 disclosed in the patent.

6 The *function* of the “diode” as described in the specification is to allow current to flow in
 7 one direction and restrict current from flowing in the reverse direction during the charging mode.
 8 (’936 patent, 5:9-16, 19-35.) The claim language itself (as well as Figures 5C and 5D) confirms
 9 that the diode operates during the *charging mode* (Claim 1: “charging path includes the inductor
 10 and the diode”), not during the discharge mode. The specification describes that the *way* to
 11 perform these functions is by forward biasing diode 514 to allow current to flow in one direction,
 12 and reverse biasing diode 514 to block current in the reverse direction. (*Id.*) The *results* of the
 13 identified functions are to allow current to supercharge capacitor 516 when diode 514 is forward
 14 biased and to hold that supercharge on capacitor 516 when diode 514 is reversed biased. (*Id.*; see
 15 *also id.* at 18:28-43, 20:35-49.)

16 Dr. Wolfe ignores most of this. He identifies only one “primary” function of the claimed
 17 “diode”: “to allow electrical current to flow through from the voltage source, via the inductor, to
 18 the capacitor during a charge cycle.”¹ (Wolfe Rpt. ¶ 80.) But he ignores the reverse biased state
 19 of the “diode” described in the specification, and he disregards the way and result of the diode’s
 20 operation. Dr. Wolfe does not offer a theory of infringement in view of the function, way, and
 21 result described in the specification:

- 22 • *Function*: Dr. Wolfe does not opine that the Fuji resistor performs the function of
 23 restricting current from flowing in the reverse direction during the charging
 24 mode, which is the stated function of the “diode” in the specification.

25
 26 ¹ If this were the only “primary” function of the diode, it would vitiate the “diode” from
 27 the claims, because Dr. Wolfe admitted that even a wire in place of the “diode” would meet the
 28 function of allowing “electrical current to flow” to the capacitor. (Yang Ex. 5, Wolfe Dep. at
 72:17-73:8.) See *Akzo Nobel Coatings, Inc. v. Dow Chem. Co.*, 811 F. 3d 1334, 1342 (Fed. Cir.
 2016) (“an infringement theory [under doctrine of equivalents] fails if it renders a claim limitation
 inconsequential or ineffective”).

- *Way*: Dr. Wolfe does not opine that the resistor in Fuji blocks reverse current during the charging mode by way of becoming reversed biased. He admitted that when reverse biasing comes into play, “I agree that the reverse-bias property may be a *meaningful difference between a diode and a resistor* in some circumstances.” (Wolfe Rpt. ¶ 79 (emphasis added).)
- *Result*: Dr. Wolfe does not argue that the Fuji resistor facilitates the capacitor in the Fuji circuit’s becoming supercharged, which is the stated result of the “diode” in the ’936 patent circuit. Dr. Wolfe argues only that the Fuji resistor causes current to flow into the capacitor. (*Id.* ¶ 84.)

Instead of focusing on the function, way, and result of the “diode” disclosed in the patent, Dr. Wolfe concocts purported “functions” of the diode during the *discharge* operation that are nowhere disclosed in the specification. Dr. Wolfe identifies a *function* of the “diode” that it “resists any current flow from the capacitor towards the inductor during a discharge cycle” (Wolfe Rpt. ¶ 81), by the *way* of its “effective resistance” (*id.* ¶ 91), with the *result* of ensuring that current flows out of the laser diode when the capacitor discharges (*id.* ¶ 94).

Dr. Wolfe’s identified discharge functions of the “diode” are completely unsupported. The claim language itself and Figures 5C and 5D make clear that the “diode” is part of the charging path, not the discharge path. Dr. Wolfe admits that “[t]he claimed diode *does not play a direct role* in the claimed discharge operation.” (Yang Ex. 3, Wolfe Rpt. ¶ 81 (emphasis added).) Dr. Wolfe also admitted that the specification does not disclose any “effective resistance” of a diode that underpins his function-way-result analysis for the discharge operation. (Wolfe Dep. 99:11-19 (“the specific value of the resistance *is not taught as something that’s interesting to the operation of this device*”) (emphasis added).)

Dr. Wolfe’s faulty DOE theory is also defeated by his own proposed construction of the term “diode,” which reinforces that the claimed component allows current to flow forward while restricting its flow in reverse. Dr. Wolfe offered the following construction of “diode”: “a two-terminal electronic device that will conduct electricity much more easily in one direction than in the other.” (Dkt. 1116-1 at 20-21.) By acknowledging that the flow of electricity through the

1 diode is different depending on the direction of current, Dr. Wolfe’s construction incorporates the
2 reverse biasing characteristic of the claimed “diode” as set forth in the specification. As noted
3 above, Dr. Wolfe conceded that reverse biasing to restrict current is not a characteristic of a
4 resistor. (Wolfe Rpt. ¶ 79.)

5 Dr. Wolfe’s application of the function-way-result analysis of the claimed “diode” is
6 defective as a matter of law because he ignores the teaching of the specification. *AquaTex*, 479
7 F.3d at 1326 (identification of “function” must focus on “an examination of the claim and the
8 explanation of it found in the written description of the patent”). Because the Fuji resistor has a
9 different function, performed in a different way, and yields a different result than the claimed
10 “diode” as described in the ’936 patent specification, the resistor and “diode” cannot be
11 equivalent as a matter of law.

12 **2. DOE does not apply to the ’936 patent’s simple circuit**

13 Waymo has provided no argument supporting why the DOE should even apply to a well-
14 known component like a diode in the simple circuit of the ’936 patent. The doctrine of
15 equivalents is based on the premise that claim language cannot always precisely capture the
16 contours of an invention. The doctrine prevents a party from copying the claimed invention of
17 another and making trivial modifications to avoid infringement:

18 The language in the patent claims may not capture every nuance of
19 the invention or describe with complete precision the range of its
20 novelty. If patents were always interpreted by their literal terms,
21 their value would be greatly diminished. Unimportant and
22 insubstantial substitutes for certain elements could defeat the patent,
23 and its value to inventors could be destroyed by simple acts of
24 copying.

25 *Festo Corp. v. Shoketsu Kinzoku Kogyo Kabushiki Co.*, 535 US 722, 731 (2002).

26 The claims of the ’936 patent, however, do not involve “nuances” that cannot be described
27 with “complete precision.” (*Id.*) Rather, the claims describe a circuit with six well-known circuit
28 elements: claim 1 includes a voltage source, inductor, diode, transistor, light-emitting element,
and capacitor in a specific configuration. (’936 patent, 28:5-33.) These are simple, specific claim
components and any variation of those components would have been foreseeable at the time of
filing. *Freedman Seating Co. v. Am. Seating Co.*, 420 F.3d 1350, 1360 (Fed. Cir. 2005). Thus,

Waymo's attempt to employ the doctrine of equivalents to a straightforward circuit claim is a misapplication and misuse of the doctrine. *See Sage Prods., Inc. v. Devon Indus., Inc.*, 126 F.3d 1420, 1425 (Fed. Cir. 1997) ("The claim at issue defines a relatively simple structural device....No subtlety of language or complexity of the technology, nor any subsequent change in the state of the art, such as later-developed technology, obfuscated the significance of this limitation at the time of its incorporation into the claim.").

3. Waymo has no remedy for any alleged infringement of the '936 Patent

Waymo has no basis for seeking a remedy for any alleged infringement in this case. Waymo's damages expert, Mr. Wagner, did not identify any amount of damages for Uber's alleged infringement of the '936 patent. (Wagner Rpt. ¶ 370.) Waymo's initial disclosures do not identify specific testimony upon which it expects to rely to prove that it is entitled to a reasonable royalty. (*See* Yang Ex. 6, Damages Disclosure.) Waymo represented that it would supplement its initial disclosures on computation of damages after July 28, 2017, but does not appear to have done so. (Dkt. 934 at 11:20-22.)

A judge may award a zero-amount reasonable royalty on summary judgment "if there is no genuine issue of material fact that zero is the only reasonable royalty." *Apple Inc. v. Motorola, Inc.*, 757 F.3d 1286, 1328 (Fed. Cir. 2014). Because Waymo has not identified any evidence or expert opinion supporting patent damages, Uber seeks a finding of zero damages for any patent infringement. *See Devex Corp. v. Gen. Motors Corp.*, 667 F.2d 347, 361 (3d Cir. 1981) ("In the absence of any evidence as to what would constitute a reasonable royalty in a given case, a fact finder would have no means of arriving at a reasonable royalty, and none could be awarded.") *cited by Apple*, 757 F.3d at 1328 (supporting possibility of a zero royalty award).

Waymo also has no basis for seeking injunctive relief.

Therefore, because Waymo has not identified any patent damages it seeks, and its claim for injunctive relief is moot, the Court should enter a finding of no remedies for Uber's alleged infringement of the '936 patent.

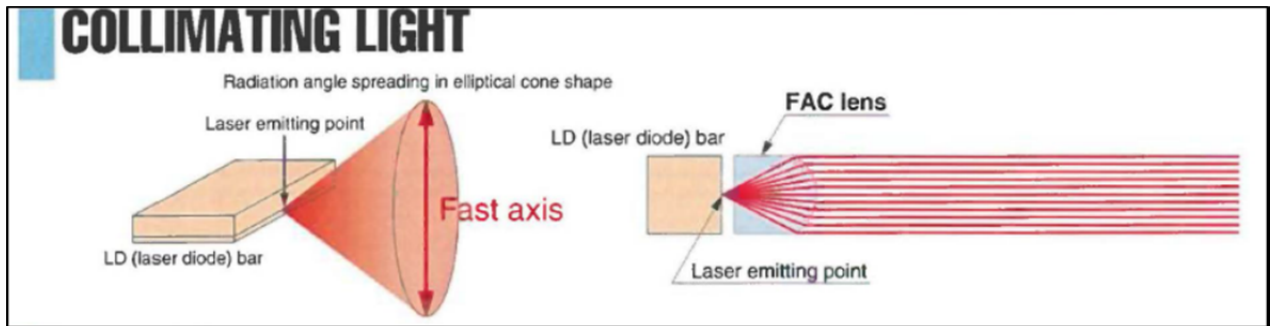
II. SUMMARY JUDGMENT SHOULD BE GRANTED ON TS 9

A. TS 9 Claims the Publicly Known, General Concept of [REDACTED]

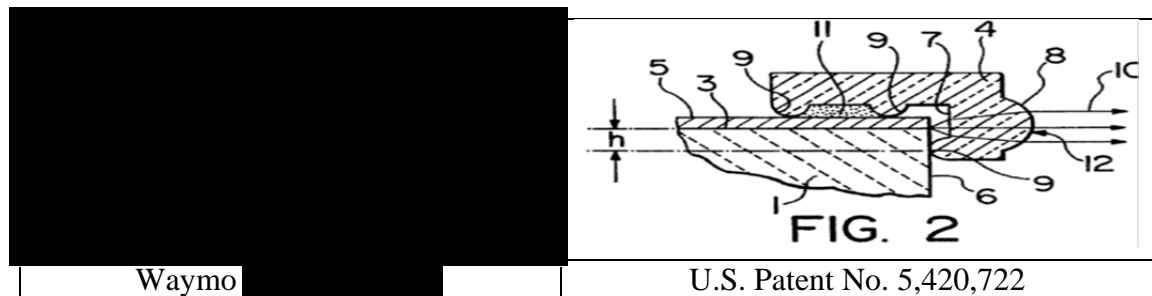
TS 9 claims the broad concept of a [REDACTED] used to [REDACTED]

(Dkt. 25-7 at 8.) Waymo does not claim that any part of this alleged trade secret prior to the words [REDACTED] is secret. Nor can it: Waymo's own '922 patent discloses a LiDAR system with a plurality of laser diodes and plurality of PCBs, where each laser emits beams, and further discloses the use of a cylindrical lens to precollimate the emitted light along the fast axis. (Yang Ex. 7, Droz Dep. Ex. 1277, '922 patent at 5:4-7, 5:16-26.)

Waymo admits that TS 9 was not disclosed in any files allegedly downloaded by Anthony Levandowski or any other former Waymo employee. (Yang Ex. 8, Waymo 4th Suppl. Resp. to Uber's 1st Set of Interrogs. at 199-201 (no "[m]isappropriated [f]iles" identified for TS 9).) Waymo's Section 2019.210 Statement identifies its GBr LiDAR design as implementing TS 9's claimed [REDACTED] (*Id.* at 9.) Waymo's 30(b)(6) designee Pierre-Yves Droz testified that the lens in question is a [REDACTED] (Yang Ex. 9, 3/31/17 Droz Dep. 69:18-24, 72:21-25.) Mr. Droz and Waymo engineer Will McCann admitted that the use of [REDACTED] (Yang Ex. 10, 8/3/17 Droz Dep. 232:9-18, 233:14-21; Ex. 11, McCann Dep. 206:8-209:7, 215:3-219:8; Ex. 12, McCann Dep. Ex. 1078 (vendor diagram below); *see also* Ex. 13, UBER00238820 (vendor webpage).)



Mr. Droz also conceded that Waymo's '922 patent disclosed a "cylindrical lens" that "can pre-collimate laser beam 512 along fast axis 508." (Yang Ex. 10, 8/3/17 Droz Dep. 236:15-238:2; Ex. 7, Droz Ex. 1277 at 15:35-37.) Public disclosures such as U.S. Patent No. 5,420,722 confirm that the use of [REDACTED] in connection with laser diodes is not secret. As seen below, the '722 Patent discloses [REDACTED]. The '722 Patent describes a [REDACTED] [REDACTED] (Dkt. 298-1, Lebby Sur-Reply Decl. ¶¶ 18-20; Yang Ex. 14, '722 Patent, Abstract, 2:9-11.)



Mr. Droz and Mr. McCann testified that [REDACTED], as claimed in TS 9, [REDACTED]:

McCann:

A. [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

1 [REDACTED] (...)

2 [REDACTED]

3 [REDACTED]

4 **Droz:**

5 A. [REDACTED]

6 [REDACTED]

7 [REDACTED]

8 (Yang Ex. 11, McCann Dep. 169:12-25, 172:14-19; Ex. 10, 8/3/17 Droz Dep. 231:24-232:5; *see*

9 *also* Ex. 11, McCann Dep. 172:20-173:5, 216:25-217:4.) But both engineers also admitted that

10 moving an optical lens to steer light is a known optical technique:

11 **McCann:**

12 Q. Were you aware of [REDACTED] so

13 as to steer a beam of light?

14 A. Yes.

15 Q. In what context were you aware of that?

16 A. Well, I mean, I'm not an optical engineer, but, you know, when

17 you move optical lens elements, it – it moves light around. So yes,

18 you can.

19 Q. Would you say that's a pretty fundamental known concept?

20 A. That moving an optical element around moves light? Yes.

21 *That's the fundamentals of optics.*

22 **Droz:**

23 Q. So I'm – I'm not talking about any specific implementation, but

24 the concept of, as you put it, [REDACTED]

25 [REDACTED] . . . That's a fundamental concept, right, of optics?

26 A. So, I mean, moving a lens in front of something in optical, like,

27 a focal plane, and that's during – you know, is – is not

28 fundamental, but *it's something that's known in optics.*

29 (Yang Ex. 11, McCann Dep. 217:16-218:1 (emphasis added); Ex. 10, 8/3/17 Droz Dep. 230:8-20

30 (emphasis added); *see also* Ex. 15, Gassend Dep. 173:18-174:2.) This comports with other public

31 disclosures, such as U.S. Patent No. 8,559,107, which discloses that [REDACTED]

32 [REDACTED] when “the laser elements and collimation optic are slightly offset from each other,” such that

the “output profile may be offset.” (Yang Ex. 16, U.S. Patent No. 8,559,107 at 15:65-66, 16:2, Fig. 3.) Furthermore, the witness for LiDAR supplier Velodyne testified that [REDACTED]

(Yang Ex. 17, Nestinger Dep. 60:9-63:4, 67:5-9, 67:20-69:19, 70:3-5; Ex. 18, Nestinger Dep. Ex. 1963.)

(Yang Ex. 17, Nestinger Dep. 68:10-17.)

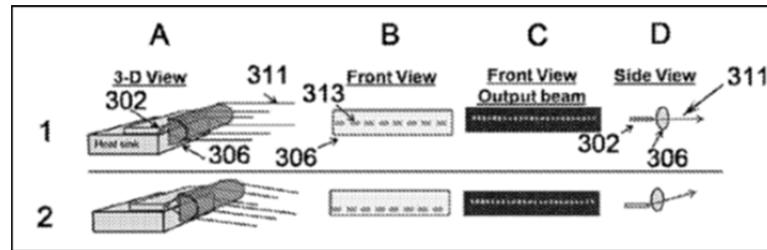
██████████. (*Id.* at 68:18-69:19.)

B. TS 9 Is Not A Trade Secret

With the admissions of Waymo’s own engineers, there is no genuine dispute that TS 9 claims the known general approach of using an [REDACTED] and is, therefore, not a trade secret. Waymo’s alleged trade secret is not about any purportedly downloaded files, nor a specific FAC lens shape, dimension, or lens equation.² Instead, Waymo claims the broad concept of a [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]” (Dkt. 25-7 at 8.) But Waymo engineers, including Waymo’s Rule 30(b)(6) designee on TS 9, admit that FAC lenses for pre-collimating beams from laser diodes are well known. They further admit that there is no secret to how the FAC lenses [REDACTED]
[REDACTED] – the engineer just [REDACTED]
[REDACTED] is a general technique “known in optics.” It is undisputed that FAC lenses are publicly sold for pre-collimation of light from laser diodes. (*See* Yang Ex.

² Waymo's Offer of Proof points to similar [REDACTED] in GBr3 and Fuji and a vendor's comment that its **price quote** "aligned" with a previous "program" with Waymo, but Waymo's Section 2019.210 Statement does not claim [REDACTED]. (Compare Offer of Proof, Dkt. 1371-4 at 8 to Dkt. 25-7 at 8.)

12, McCann Ex. 1078; Ex. 13, UBER00238820.) Furthermore, the '107 patent describes a fast-axis collimation optic mounted in front of laser emitters, and Figure 3 illustrates the trajectory of the emitted beams when the collimation optic is offset from the lasers. (Yang Ex. 16, '107 patent at 11:29-32, 15:53-57, 15:65-66, Fig. 3 (row 2, column D below).)³



With multiple public references and admissions from Waymo's witnesses, TS 9 is ripe for summary judgment.

Waymo attempts to manufacture a dispute by arguing there is no public disclosure of a **LiDAR system** with a plurality of laser diodes on PCBs and [REDACTED]. (Dkt. 1341-4 at 2-3.) But, as the Court has warned Waymo, "general engineering principles that are simply part of the intellectual equipment of technical employees" are not protectable trade secrets. (Dkt. 426 at 17 (citing *Winston Research Corp. v. Minn. Min. & Mfg. Co.*, 350 F.2d 134, 139 (9th Cir. 1965)).) As admitted by Waymo's engineers, [REDACTED] is Optics 101. (Yang Ex. 11, McCann Dep. 217:16-218:1; Ex. 10, 8/3/17 Droz Dep. 230:8-20; Ex. 15, Gassend Dep. 173:18-174:2.) Waymo's own '922 patent discloses a LiDAR system with multiple PCBs that uses FAC lenses. (See Yang Ex. 7, Droz Dep. Ex. 1277 at 15:35-37.) In fact, at least one public disclosure, the '722 patent, describes mounting a cylindrical lens directly to a laser diode in order to collimate the light with an [REDACTED]. (See Yang Ex. 14, '722 patent, Abstract, 2:9-11, Fig. 2.)

Waymo's contention that laser diodes in LiDAR systems are different in some unnamed way

³ Though the '107 patent describes the altering of a beam by a FAC lens as resulting in an "undesired trajectory," an alleged trade secret is not a trade secret if all its elements are publicly disclosed by a reference, even if the reference "teaches away" from the alleged trade secret. *ClearValue, Inc. v. Pearl River Polymers, Inc.*, 668 F.3d 1340, 1346 (Fed. Cir. 2012) (affirming JMOL that alleged trade secret was not a trade secret).

1 demands, in effect, that LiDAR engineers who worked at Waymo be barred from [REDACTED]
2 [REDACTED] lest they be found liable for misappropriation. That Velodyne has been
3 using [REDACTED]
4 [REDACTED]
5 [REDACTED] Waymo should not be allowed to claim this general approach, which is dictated by optics
6 principles, as a trade secret.

7 Waymo's Opposition to Uber's Precis and its Offer of Proof further confirms that its
8 broad concept of [REDACTED] cannot be a trade secret. Having previously
9 admitted that TS 9 is not in any of the allegedly downloaded files, Waymo focuses its allegations
10 on testimony by former Waymo engineers that knowledge of FAC lenses was "in my head" and
11 affected by their "previous experience." (Dkt. 1341-4 at 3; Dkt. 1371-4 at 8-9.) But by
12 advancing such a broadly claimed trade secret, Waymo has overreached to cover general
13 techniques that are in these engineers' experience. A general approach "dictated by well known
14 principles of physics . . . [is] not 'secret,' for it consist[s] essentially of general engineering
15 principles in the public domain and part of the intellectual equipment of technical employees."
16 *Winston Research Corp.*, 350 F.2d at 139. Accordingly, summary judgment should be granted
17 that TS 9 is not a trade secret.

18 CONCLUSION

19 For the foregoing reasons, the Court should grant Defendants' Motion for Summary
20 Judgment.

OTTO TRUCKING'S MOTION FOR SUMMARY JUDGMENT

I. DEFENDANT OTTO TRUCKING CANNOT INFRINGE THE '936 PATENT AND HAS NOT MISAPPROPRIATED ANY WAYMO TRADE SECRET

Discovery is closed and Waymo has served its expert reports. The undisputed evidence shows Waymo has no legal basis to keep Otto Trucking in this case. Dr. Wolfe and Dr. Hesselink, Waymo's experts, remain solely focused on Uber's Spider and Fuji LiDAR systems. The undisputed facts show that Otto Trucking has never been involved in the development of, and has never used, either the Spider or Fuji system. Because Otto Trucking has never used or had access to the accused products, it is not possible, as a matter of law, for Otto Trucking to infringe the '936 patent or to have misappropriated any Waymo trade secret. Accordingly, Otto Trucking is entitled to a summary judgment that it does not infringe the '936 patent and that it has not misappropriated any Waymo trade secret.

Waymo's claims against Otto Trucking were flawed from the beginning when it claimed that Uber had acquired Otto Trucking. Even when Waymo learned that Otto Trucking was a separate company from Uber, Waymo pressed its baseless claims against Otto Trucking. But with discovery now complete, Waymo has no evidence of patent infringement or trade secret misappropriation against Otto Trucking. As a matter of law, it is time for Waymo's sideshow against Otto Trucking to finally come to an end.

A. Background

Waymo's original claims against Otto Trucking were based solely on Waymo's faulty allegation that Defendant Uber had acquired Otto Trucking. *See* Dkt. No. 23, ¶¶ 7, 16. Waymo's First Amended Complaint ("FAC") collectively defined Uber, Ottomotto and Otto Trucking as "Defendants" and did not include a single direct allegation against Otto Trucking. Although Waymo learned early in the litigation that Otto Trucking had not been acquired by Uber (*see* Dkt. Nos. 265 at 1:13-14; 283 at 5:15-6:7), Waymo, and its experts, continue to this day to simply lump Otto Trucking in with Uber and Ottomotto in order to keep Otto Trucking in this case.

Otto Trucking is a limited liability company that has [REDACTED]

[REDACTED]. *See* Declaration of Shane Brun in Support Otto Trucking's

1 Motion (“Brun Decl.”), Ex. 1 at 3:13-15, 5:13-15. Otto Trucking was formed on February 1,
 2 2016. Brun Decl. Ex. 2 at 6:19-22. Otto Trucking has two Managing Members, Lior Ron and
 3 Anthony Levandowski. Brun Decl., Ex. 1 at 3:13-15, 5:13-15. Neither Uber nor Ottomotto is a
 4 member of Otto Trucking, and neither has any ownership interest in Otto Trucking. *Id.*

5 As acknowledged by Waymo’s own expert, Michael J. Wagner, Otto Trucking is simply

6 [REDACTED]
 7 [REDACTED]
 8 As explained by Lior Ron, [REDACTED]
 9 [REDACTED]
 10 [REDACTED] stated that “Otto Trucking is largely just
 11 an LLC” and [REDACTED]
 12 [REDACTED]

13 Brun Decl., 4 Ex. 3 (Excerpt from Wagner Report) at 8. Otto Trucking has never had any
 14 involvement with the Spider or Fuji LiDAR systems. [REDACTED]
 15 [REDACTED]
 16 [REDACTED]

17 Brun Decl., Ex. 1 at 3:26-4:1; Declaration of Brent Schwarz in
 18 Support of Otto Trucking’s Motion (“Schwarz Decl.”) at ¶ 2. [REDACTED]
 19 [REDACTED]

20 Schwarz Decl. at ¶ 4. Neither the Spider nor Fuji LiDAR system has ever been installed or used in any way on
 21 any of the Leased Trucks. Schwarz Decl. at 6; Brun Decl., Ex. 1 at 4:11-14.

22 Otto Transport LLC, a wholly owned subsidiary of Otto Trucking, [REDACTED]
 23 [REDACTED] (the “Otto Transport Trucks”);
 24 [REDACTED]
 25 [REDACTED]. *Id.* at 4:5-6; Schwarz Decl. at ¶ 3. The Otto Transport Trucks [REDACTED]
 26 Brun Decl., Ex. 1 at 4:9. [REDACTED]
 27 [REDACTED]. *Id.* at 4:9-11; Schwarz Decl. at ¶¶ 4-5.
 28 [REDACTED]. *Id.* at ¶ 5. Neither the Spider nor Fuji LiDAR system has ever been

1 installed or used in any way on any of the Otto Transport Trucks. Brun Decl. Ex. 1 at 4:11-14;
2 Schwarz Decl. at ¶ 6. In fact, Otto Trucking has never made, used, offered for sale, sold, or
3 imported into the U.S. either the Spider or Fuji LiDAR system. Schwarz Decl., ¶ 7. Waymo
4 cannot dispute these facts.

5 **B. Otto Trucking Cannot Infringe Waymo's '936 Patent**

6 In its Infringement Contentions, Waymo accused only Uber's Fuji LiDAR system of
7 infringing the '936 Patent. Brun Decl., Ex. 4(Plaintiff's Disclosure of Asserted Claims and
8 Infringement Contentions). Likewise, Dr. Wolfe's report identifies only the Fuji LiDAR system
9 as allegedly infringing the '936 patent. Brun Decl., Ex. 5. It is undisputed, however, that Otto
10 Trucking has never made, used, offered for sale, sold, or imported into the U.S. the Fuji LiDAR
11 System, and thus cannot directly infringe the '936 patent. *See* 35 U.S.C. § 271⁴; *see also*
12 *AquaWood, LLC v. Worldslide, LLC et al.*, No. CV 11-5611-JFW (Ex), slip op. at 14-15 (C.D.
13 Cal. October 31, 2012) (granting summary judgment of noninfringement because "it is
14 undisputed that AquaWood has never manufactured, imported, used, offered to sell, or sold any
15 of the fifteen accused . . . products") Indeed, Dr. Wolfe offers no opinion or finding that Otto
16 Trucking has made, used, offered for sale, sold, or imported the Fuji LiDAR System, or that Otto
17 Trucking otherwise somehow infringes the '936 patent. Waymo has not produced any other facts
18 to show that Otto Trucking used, made, sold, offered for sale, or imported the Fuji LiDAR
19 system. Otto Trucking is thus entitled to a judgment as a matter of law that it does not infringe
20 the '936 patent. *See* 35 U.S.C. § 271; F.R.C.P. 56(a); *AquaWood*, Case No. CV 11-5611-JFW
21 (Ex) at 14.

22 **C. Otto Trucking Has Not Misappropriated Any Waymo Trade Secret**

23 To prove its trade secret claims against Otto Trucking, Waymo must, among other things,
24 show that a Waymo trade secret was disclosed to Otto Trucking under circumstances giving rise
25 to an obligation not to use or disclose the secret to the detriment of Waymo, and that Otto
26 Trucking either used the trade secret or disclosed it to a third party. *See, e.g., Ajaxo Inc. v.*
27

28 ⁴ Waymo does not allege that Otto Trucking is indirectly infringing the '936 patent.

1 *E*Trade Group Inc.* 135 Cal.App.4th 21, 66 (2005); CACI No. 4401. Like Waymo's patent
2 claim, Waymo's misappropriation claim is based solely on Ottomotto's and Uber's development
3 and use of the Spider and Fuji LiDAR systems. Specifically, Waymo discovery responses
4 detailing the alleged misuse of its trade secrets point only to Ottomotto's and Uber's development
5 and use of the Spider and Fuji LiDAR Systems. *See* Brun Decl., Ex. 6 at 143-147.⁵ Likewise, the
6 only alleged misuse of Waymo's trade secrets identified by Dr. Hesselink are in connection with
7 Ottomotto's and Uber's development and use of the Spider and Fuji LiDAR systems. Brun Decl.,
8 Ex. 7 at 4. These allegations, even when taken as true, cannot support a claim against Otto
9 Trucking.

10 Like Waymo's patent claim, the undisputed facts are that Otto Trucking was not involved
11 in the development of, and has never used, either the Spider or Fuji LiDAR system. Dr.
12 Hesselink offers no opinion or finding that **Otto Trucking** (not Uber or Ottomotto) has used either
13 the Spider or Fuji LiDAR system or that **Otto Trucking** (not Uber or Ottomotto) otherwise
14 somehow obtained or made use of any Waymo alleged trade secret. After scorching the earth in
15 discovery, Waymo has adduced no evidence that any of its alleged trade secrets have been
16 disclosed to Otto Trucking, or that Otto Trucking has acquired, used or disclosed to a third party
17 any of those alleged trade secrets. For at least the above reasons, Otto Trucking is entitled to
18 summary judgment in its favor on Waymo's trade secret misappropriation claim. *Beaulieu Group,*
19 *LLC v. Bates*, 2016 WL 7626471 (C.D. Cal. Oct. 18 2016) (granting summary judgment for
20 Defendant former employee because "Plaintiff has presented *no* evidence that Defendant *ever*
21 *used these secrets.*"); *see also Ajaxo*, 135 Cal. App. at 66; CACI No. 4401; Fed. R. Civ. P. 56(a).

22 **D. Waymo's Alternative Theories Against Otto Trucking Will Also Fail**

23 Having conceded that it has no claim of infringement or misappropriation against Otto
24 Trucking by its experts' failure to present opinions on the matter, Waymo has suggested that it
25 may pursue more exotic theories of liability to keep Otto Trucking in the case. For example, in
26 opposing Otto Trucking's earlier précis requesting permission to file a motion for summary

27 ⁵ Waymo does not assert any use of Trade Secret Nos. 25 or 111 by Otto Trucking in its
28 Interrogatory Responses.

1 judgment, Waymo argued that Otto Trucking is vicariously liable for, and has ratified, the alleged
2 trade secret misappropriation of Mr. Levandowski. (Dkt. No. 752). These arguments do not
3 survive even minimum scrutiny.

4 As established above, Otto Trucking is simply a holding company that never accepted, or
5 retained any benefit from, Waymo's allegedly stolen trade secrets, and thus cannot be found to
6 have ratified Mr. Levandowski's alleged taking of those trade secrets. Cal. Civ. Code § 2310
7 (West 2017); CACI No. 3710. Waymo's vicarious liability argument would similarly fail.
8 Vicarious liability may attach only when the alleged wrongful conduct is within the authority of
9 the agent/employee. *See* CACI No. 3700, 3701; *see also NetApp v. Nimble*, 41 F.Supp.3d 816,
10 835 (N.D. Cal. 2014). Here, Mr. Levandowski's alleged taking of Waymo's trade secrets
11 occurred before Otto Trucking even existed, and thus such actions plainly could not be within Mr.
12 Levandowski's authority as a Managing Member of Otto Trucking. *See, e.g., He Nam You v.*
13 *Japan*, 150 F.Supp.3d 1140, 1150 (N.D. Cal. 2015) (refusing to hold corporate defendants
14 vicariously liable in a reverse corporate veil piercing and noting that none of the moving
15 defendants existed during the time period when the alleged misconduct occurred.)

16 Waymo has also advanced the theory that Otto Trucking is jointly and severally liable for
17 Uber and Ottomotto's alleged patent infringement and trade secret misappropriation. But because
18 Otto Trucking had no involvement in the alleged infringement or misappropriation, Otto Trucking
19 cannot be considered a joint tortfeasor in this case, and thus cannot be jointly and severally liable
20 for Uber and Ottomotto's alleged torts. *See* Restatement (Third) of Torts: Apportionment Liab. §
21 12, (2000); *JW Pharm. Corp. v. Michael Kahn & Prism Pharma Co.*, No. CV1201006JGBRZX,
22 2013 WL 12125751, at *6 (C.D. Cal. Mar. 11, 2013)

23 It remains to be seen exactly how Waymo presents these alternative theories. Otto
24 Trucking will respond accordingly in its reply in support of this motion. In the meantime, for the
25 reasons stated above, the Court should grant Otto Trucking's motion for summary judgment that
26 it does not infringe the '936 patent and that it has not misappropriated any Waymo trade secret.

1 Dated: August 31, 2017

MORRISON & FOERSTER LLP

2
3 By: /s/ Michael A. Jacobs
MICHAEL A. JACOBS

4 Attorneys for Defendants UBER TECHNOLOGIES,
5 INC. and OTTOMOTTO LLC

6 Dated: August 31, 2017

GOODWIN PROCTER LLP

7
8 By: /s/ Neel Chatterjee
NEEL CHATTERJEE

9 Attorneys for Defendant OTTO TRUCKING LLC
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14 **ATTESTATION OF E-FILED SIGNATURE**

15 I, Michael A. Jacobs, am the ECF User whose ID and password are being used to file
16 Defendants' Motion for Summary Judgment. In compliance with General Order 45, X.B., I
17 hereby attest that Neel Chatterjee has concurred in this filing.

18 Dated: August 31, 2017

/s/ Michael A. Jacobs
MICHAEL A. JACOBS

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UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION

WAYMO LLC,

Plaintiff,

v.

UBER TECHNOLOGIES, INC.,
OTTOMOTTO LLC; OTTO TRUCKING LLC,

Defendants.

Case No. 3:17-cv-00939-WHA

**[PROPOSED] ORDER GRANTING
DEFENDANTS' MOTION FOR
SUMMARY JUDGMENT**

Trial Date: October 10, 2017

1 Having considered all of the papers filed in connection with Defendants' Motion for
2 Summary Judgment, as well as the arguments presented by the parties at the hearing on this
3 motion, the Court finds that Uber does not infringe United States Patent No. 9,368,936 ("the '936
4 patent), Waymo's alleged Trade Secret No. 9 is not a trade secret, and Otto Trucking cannot
5 infringe the '936 patent and has not misappropriated any alleged Waymo trade secret

6 IT IS THEREFORE ORDERED that Defendants' Motion for Summary Judgment is
7 GRANTED.

8
9
10 **IT IS SO ORDERED.**

11
12 Dated: _____, 2017

13 _____
14 HONORABLE WILLIAM ALSUP
15 United States District Court Judge
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